

Title (en)

FINE BOWL-SHAPED PARTICLE AND PRODUCTION THEREOF

Title (de)

FEINES SCHALENFÖRMIGES TEILCHEN UND SEINE HERSTELLUNG

Title (fr)

FINE PARTICULE EN FORME DE BOL ET PROCEDE DE PRODUCTION CORRESPONDANT

Publication

EP 0596138 B1 19970502 (EN)

Application

EP 93910363 A 19930520

Priority

- JP 9300662 W 19930520
- JP 12726092 A 19920520

Abstract (en)

[origin: EP0596138A1] A novel, nearly semispherical or semiellipsoidal, fine bowl-shaped particle having a large concavity in the center and absorbing 80-140 ml/g of water; and a process for producing the same by the suspension polymerization of a polymerizable monomer in water in the presence of a cross-linking agent and a hydrophobic liquid. The particle has good slipperiness, adherence and water absorbency. The invention process can provide the particles very easily and permits the size and shape thereof to be regulated readily.

IPC 1-7

C08F 2/32; C08F 2/44; C08F 220/14; C08F 212/08; C08F 220/20; C08F 2/18

IPC 8 full level

B01J 13/00 (2006.01); **B01J 13/14** (2006.01); **C08F 2/00** (2006.01); **C08F 2/18** (2006.01); **C08F 2/32** (2006.01)

CPC (source: EP US)

C08F 2/18 (2013.01 - EP US); **Y10S 526/909** (2013.01 - EP); **Y10S 526/93** (2013.01 - EP)

Cited by

CN113136173A; US7833687B2

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0596138 A1 19940511; **EP 0596138 A4 19941117**; **EP 0596138 B1 19970502**; DE 69310313 D1 19970605; DE 69310313 T2 19970814; JP 3229011 B2 20011112; JP H05317688 A 19931203; US 5559202 A 19960924; WO 9323437 A1 19931125

DOCDB simple family (application)

EP 93910363 A 19930520; DE 69310313 T 19930520; JP 12726092 A 19920520; JP 9300662 W 19930520; US 46642295 A 19950606